

Form B-2  
(FY2022)  
Must be typed

Date (日付)  
15/12/2022 (Date/Month/Year: 日/月/年)

**Activity Report -Science Dialogue Program-**  
(サイエンス・ダイアログ事業 実施報告書)

- Fellow's name (講師氏名): Khatun Hafiza (ID No. P20400)
- Name and title of the lecture assistant (講義補助者の職・氏名) Hinata Koyama, MS students
- 
- Participating school (学校名): Tokyo Metropolitan Tama High School of Science and Technology
- Date (実施日時): 14/12/2022 (Date/Month/Year: 日/月/年)
- Lecture title (講義題目): Concept of in vitro embryo production: Cattle
- 
- Lecture format (講義形式):  
 ◆  Onsite ・  Online (Please choose one.) ( 対面 ・  オンライン (どちらか選択ください。))  
 ◆ Lecture time (講義時間) 105 min (分), Q&A time (質疑応答時間) 30 min (分)  
 ◆ Lecture style (ex.: used projector, conducted experiments)  
 (講義方法 (例: プロジェクター使用による講義、実験・実習の有無など))  
Power point presentation
- 
- Lecture summary (講義概要): Please summarize your lecture within 200-500 words.
- I. Lecture has 6 parts- 1. Self-introduction, 2. An overview of Bangladesh, 3. Relationship between Japan and Bangladesh, 4. Importance of science, 5. A brief idea about my research as highlight here lecture entitled, 6. Finally, talked with significance of international communications. Briefly, my research theme is: Embryo production in vitro, is a reproductive technology generally used to produce embryo in the laboratory from selected females and males. It is mostly used in cattle for commercial purposes. This technique includes 5 steps: (a) Oocyte (egg) collection from female cow (b) In vitro Maturation (IVM) of oocytes, (c) In vitro Fertilization (IVF) or co-incubation of capacitated spermatozoa with in vitro matured oocytes, (d) In vitro culture (IVC) of embryo for 7-8 days; (e) then preservation of embryos in the laboratory by using liquid nitrogen for later transfer or immediately embryo transfer to donor cow. This technology helps to produce many good quality embryos at a time; thereby increasing cattle production in over the world.
- ◆ Other noteworthy information (その他特筆すべき事項): All sound good
- Impressions and comments from the lecture assistant (講義補助者の方から、本事業に対する意見・感想等がありましたら、お願いいたします。): well